

## CLAIM AMENDMENTS

Please amend the claims as follows:

1           1.*(currently amended)* A pressure-vent hurricane shutter comprising:  
2           at least one shutter framework encompassing slatted-louver apertures;  
3           said shutter framework including structural beams to which ends of slanted slats for  
4 the slatted-louver apertures are affixed;  
5           slat-support guides oriented vertically and having ends ~~attached to horizontal portions~~  
6 ~~of said spacer;~~  
7           said shutter framework including a shutter spacer to which said ends of said slat-  
8 support guides for the slatted-louver apertures are affixed;  
9           slat-support cover affixed to one slat-support guide;  
10          mullion slat-support cover affixed to at least two adjacent slat-support guides;  
11          said structural beams on said shutter framework affixed to the outside edge of said  
12 slat-support guides;  
13          the slanted slats having inward edges that are oriented orthogonally to the mullion  
14 slat-support covers;  
15          the slanted slats having outward edges that are oriented orthogonally to the slat-  
16 support guides;  
17          the inward edges intermediate the ends of the slanted slats being attached to the  
18 mullion slat-support covers;  
19          the outward edges intermediate the ends of the slanted slats being attached to the slat-  
20 support guides;  
21          at least one shutter hinge proximate at least one edge of the shutter framework;  
22          the shutter framework being hinged to at least one structural member of a building  
23 proximate a building aperture;  
24          the shutter framework, the slanted slats, the slat-support guides[[,]] and the hinge and  
25 ~~inter-structural attachments thereof~~ having a structural composite that has at least  
26 predetermined requisite strength for shutter-related protection of the building against storm-

1 borne objects, wind and rain;[[and]]  
2 the slatted-louver apertures having predetermined venting of storm buildups and  
3 bursts of pressure and vacuum that react on buildings[.]; and  
4 the shutter hinge is ribbed.

1 2.(original) The pressure-vent hurricane shutter of claim 1 wherein:  
2 the structural beams included in the shutter framework are structural metal tubes  
3 having a cross section that is rectangular; and  
4 a metal of which the structural metal tubes are made has predetermined material  
5 strength, rigidity, thickness and structure for the shutter framework to have the structural  
6 composite with at least the requisite strength for shutter-related protection of the building  
7 against storm-borne objects, wind and rain.

1 3.(original) The pressure-vent hurricane shutter of claim 1 wherein:  
2 the structural beams included in the shutter framework are structural aluminum  
3 tubes having a cross section that is rectangular with face walls being about one to two  
4 inches wide and orthogonal edge walls being about one and one-half inches wide;  
5 the face walls and the edge walls being about one-eighth of an inch thick;  
6 the metal of the structural aluminum tubes being aluminum alloy 6063-T52 or at  
7 least a substantial equivalent thereof; and  
8 the structural beams of the shutter framework are affixed together at joining edges.

1           **4.(original)** The pressure-vent hurricane shutter of claim 1 wherein:  
2           the slanted slats include structural flat-bar metal having a cross section that is  
3 rectangular; and  
4           a metal of which the slanted slats are made has predetermined material strength,  
5 rigidity, thickness and structure for the slanted slats to have the structural composite with  
6 at least the requisite strength for slatted-louver protection of the building against storm-  
7 borne objects, wind and rain.

1           **5.(original)** The pressure-vent hurricane shutter of claim 1 wherein:  
2           the slanted slats are structural aluminum flat bar having a cross section that is  
3 rectangular with face walls being about one inch wide and edge walls being about one-  
4 quarter of an inch wide;  
5           the slanted slats being about one-quarter of an inch thick;  
6           the metal of the slanted slats being aluminum alloy 6063-T52 or at least a  
7 substantial equivalent thereof;  
8           the ends of the slanted slats are affixed to the shutter framework;  
9           the inward edges of the slanted slats are affixed to the slat-support covers; and  
10          the outward edges of the slanted slats are affixed to the slat-support guides.

1           **6.(original)** The pressure-vent hurricane shutter of claim 1 wherein:  
2           the face walls of the slanted slats are spaced apart about one-half inch  
3 orthogonally; and  
4           the slanted slats are juxtaposed vertically with dihedral angles of the face walls and  
5 dihedral angles of the edge walls being horizontal.

1        **7.(original)** The pressure-vent hurricane shutter of claim 1 wherein:  
2        hold down tabs are affixed to horizontal portions of the shutter framework;  
3        said hold down tabs have a hole in which a screw of a predetermined size can be  
4        inserted; and  
5        said hold down tabs are made of a metal of predetermined material strength,  
6        rigidity, thickness and structure for the shutter framework to have the structural composite  
7        with at least the requisite strength for shutter-related protection of the building against  
8        storm-borne objects, wind and rain.

1        **8.(canceled)**

1        **9.(original)** The pressure-vent hurricane shutter of claim 1 wherein:  
2        the shutter framework is a Bahama Shutter having top-hinge with which it is  
3        hinged to the structural member of the building proximate the building aperture.

1        **10.(withdrawn)** The pressure-vent hurricane shutter of claim 1 wherein:  
2        the shutter framework is a Colonial Shutter having side-hinges with which it is  
3        hinged to sides of the structural member of the building proximate the building aperture.

1        **11.(currently amended)** The pressure-vent hurricane shutter of claim [[1]] 7  
2        wherein:  
3        the structural member of a proximate a building aperture has a hole corresponding  
4        to the location of the hold down tabs.

1           **12.(original)** The pressure-vent hurricane shutter of claim 1 wherein:  
2           said slat-support guides have a front wall, two side walls, and a back wall joined  
3 together along longitudinal edges of the walls;  
4           the slat-support guides are structural aluminum alloy 6063-T52 or at least a  
5 substantial equivalent thereof;  
6           said slat-support guide front and back walls having rectangular cross sections with  
7 a width of about one inch and a thickness of about one-eighth inch;  
8           said slat-support guide side walls having rectangular cross sections with a width of  
9 about one-half inch and a thickness of about one-eighth inch;  
10          said slat-support guide side walls having slots distributed evenly to correspond  
11 with shape, size, and direction of slanted slats;  
12          said slat-support guides have ends which are affixed to the shutter framework;  
13          said front wall of slat-support guide affixed to outward edges of slanted slats;  
14          said back wall of slat-support cover affixed to inward edges of slanted slats; and  
15          said slat-support guides have the appearance of mullions.

1           **13.(original)** The pressure-vent hurricane shutter of claim 1 wherein:  
2           the shutter framework is sized, shaped-hinge attachment to a top of the structural  
3 member of the building proximate the building aperture.

1           **14.(currently amended)** A pressure-vent hurricane shutter comprising:  
2           at least one shutter framework encompassing slatted-louver apertures;  
3           the shutter framework is a Bahama Shutter having top-hinge attachment to a top of  
4 the structural member of the building proximate the building aperture;  
5           the shutter framework including structural beams to which ends of slanted slats for  
6 the slatted-louver apertures are affixed and to which ends of slat-support guides are  
7 attached orthogonally to the slanted slats intermediate the ends of the inward and  
8 outward edges of the slanted slats;

the shutter framework, the slats, slat-support guides[,] and the hinge ~~and inter-structural attachments thereof~~ having a structural composite that has at least predetermined strength for shutter-related protection of the building against storm-borne objects, wind and rain;

the slatted-louver apertures having predetermined venting of storm buildups and bursts of pressure and vacuum that react on buildings;

the structural beams included in the shutter framework are structural metal tubes having a cross section that is rectangular; and

a metal of which the structural metal tubes are made has predetermined material strength, rigidity, thickness and structure for the shutter framework to have the structural composite with at least the predetermined strength for shutter-related protection of the building against storm-borne objects, wind and rain[.]; and

the hinge is ribbed.

**15.(original)** The pressure-vent hurricane shutter of claim 14 wherein:

the structural beams included in the shutter framework are structural aluminum tubes having a cross section that is rectangular with face walls being about one to two inches wide and orthogonal edge walls being about one and one-half inches wide;

the face walls and the edge walls being about one-eighth of an inch thick;

the metal of the structural aluminum tubes being aluminum alloy 6063-T52 or at least a substantial equivalent thereof;

the structural beams of the shutter framework are affixed together at joining edges;

the slanted slats include structural flat-bar metal have a cross section that is rectangular;

a metal of which the slanted slats are made has predetermined material strength, rigidity, thickness and structure for the slanted slats to have the structural composite with at least the predetermined strength for slatted-louver protection of the building against storm-borne objects, wind and rain;

15           the slanted slats are structural aluminum flat bar having a cross section that is  
16 rectangular with face walls being about one inch wide and edge walls being about one-  
17 quarter inch wide;  
18           the slanted slats being about one-quarter inch thick;  
19           the metal of the slanted slats being aluminum alloy 6063-T52 or at least a  
20 substantial equivalent thereof;  
21           the ends of the slanted slats are affixed to the shutter framework;  
22           the slat-support guides are structural aluminum alloy 6063-T52;  
23           the slat-support guides have ends which are affixed to the shutter framework; and  
24           the inward edges of the slanted slats are affixed to the front wall of the slat-support  
25 guides.

1           **16.(original)** The pressure-vent hurricane shutter of claim 14 wherein:  
2 the face walls of the slanted slats are spaced apart about one-half inch orthogonally; and  
3           the slanted slats are juxtaposed vertically with dihedral angles of the face walls and  
4 dihedral angles of the edge walls being horizontal.

1           **17.(original)** The pressure-vent hurricane shutter of claim 14 wherein:  
2 hold down tabs are affixed to bottom portion of horizontal shutter framework;  
3           said hold down tabs have a hole in which a screw of a predetermined size can be  
4 inserted; and  
5           said hold down tabs are made of a metal of predetermined material strength,  
6 rigidity, thickness and structure for the shutter framework to have the structural composite  
7 with at least the requisite strength for shutter-related protection of the building against  
8 storm-borne objects, wind and rain.

1           **18.(canceled)**

1           **19.(currently amended)** The pressure-vent hurricane shutter of claim **[[14]] 17**  
2 wherein:  
3           the structural member of a proximate a building aperture has a hole corresponding  
4 to the location of the hold down tabs.

1           **20.(original)** The pressure-vent hurricane shutter of claim **14** wherein:  
2           said slat-support guides have a front wall, two side walls, and a back wall joined  
3 together along longitudinal edges of the walls;  
4           the slat-support guides are structural aluminum alloy 6063-T52 or at least a  
5 substantial equivalent thereof;  
6           said slat-support guide front and back walls having rectangular cross sections with  
7 a width of about one inch and a thickness of about one-eighth inch;  
8           said slat-support guide side walls having rectangular cross sections with a width of  
9 about one-half inch and a thickness of about one-eighth inch;  
10          said slat-support guide side walls having slots distributed evenly to correspond  
11 with shape, size, and direction of slanted slats;  
12          said front wall of slat-support guide affixed to outward edges of slanted slats;  
13          said back wall of slat-support guide affixed to inward edges of slanted slats;  
14          said slat-support guides have ends which are affixed to the shutter framework; and  
15          said slat-support guides have the appearance of mullions.

1           **21.(withdrawn)** A pressure-vent hurricane shutter comprising:  
2           at least one shutter framework encompassing slatted-louver apertures;  
3           the shutter framework is a Colonial Shutter having side-hinge attachment to sides  
4 of the structural member of the building proximate the building aperture;  
5           the shutter framework including structural beams to which ends of slanted slats for  
6 the slatted-louver apertures are affixed and to which ends of slat-support guides are  
7 attached orthogonally to the slanted slats intermediate the ends of inward edges of the



8 slanted slats;

9 the shutter framework, the slats, the slat-support guides, the hinge and inter-  
10 structural attachments thereof having a structural composite that has at least  
11 predetermined strength for shutter-related protection of the building against storm-borne  
12 objects, wind and rain;

13 the slatted-louver apertures having predetermined venting of storm buildups and  
14 bursts of pressure and vacuum that react on buildings;

15 the structural beams included in the shutter framework are structural metal tubes  
16 having a cross section that is rectangular; and

17 a metal of which the structural metal tubes are made has predetermined material  
18 strength, rigidity, thickness and structure for the shutter framework to have the structural  
19 composite with at least the predetermined strength for shutter-related protection of the  
20 building against storm-borne objects, wind and rain.

1 **22.(withdrawn)** The pressure-vent hurricane shutter of claim 21 wherein:

2 the structural beams included in the shutter framework are structural aluminum  
3 tubes having a cross section that is rectangular with face walls being about one to two  
4 inches wide and orthogonal edge walls being about one and one-half inches wide;

5 the face walls and the edge walls being about one-eighth of an inch thick;

6 the metal of the structural aluminum tubes being aluminum alloy 6063-T52 or at  
7 least a substantial equivalent thereof;

8 the structural beams of the shutter framework are affixed together at joining edges;

9 the slanted slats include structural flat-bar metal have a cross section that is  
10 rectangular;

11 a metal of which the slanted slats are made has predetermined material strength,  
12 rigidity, thickness and structure for the slanted slats to have the structural composite with  
13 at least the predetermined strength for slatted-louver protection of the building against  
14 storm-borne objects, wind and rain;

15           the slanted slats are structural aluminum flat bar having a cross section that is  
16 rectangular with face walls being about one inch wide and edge walls being about one-  
17 quarter of an inch wide;  
18           the slanted slats being about one-quarter of an inch thick;  
19           the metal of the slanted slats being aluminum alloy 6063-T52 or at least a  
20 substantial equivalent thereof;  
21           the ends of the slanted slats are affixed to the shutter framework;  
22           the slat-support guides are structural aluminum alloy 6063-T52 or at least a  
23 substantial equivalent thereof having rectangular cross section with a width of about one  
24 inch and a thickness of about one-eighth inch;  
25           the slat-support guides have ends which are affixed to the shutter framework; and  
26           the inward edges of the slanted slats are affixed to the slat-support guides.

1           **23.(withdrawn)** The pressure-vent hurricane shutter of claim **21** wherein:  
2           the face walls of the slanted slats are spaced apart about one-half inch  
3 orthogonally; and  
4           the slanted slats are juxtaposed vertically with dihedral angles of the face walls and  
5 dihedral angles of the edge walls being horizontal.

1           **24.(withdrawn)** The pressure-vent hurricane shutter of claim **21** wherein:  
2           hold down tabs are affixed to top and bottom portions of horizontal shutter  
3 framework;  
4           said hold down tabs have a hole in which a screw of a predetermined size can be  
5 inserted; and  
6           said hold down tabs are made of a metal of predetermined material strength,  
7 rigidity, thickness and structure for the shutter framework to have the structural composite  
8 with at least the requisite strength for shutter-related protection of the building against  
9 storm-borne objects, wind and rain.

1       **25.(withdrawn)** The pressure-vent hurricane shutter of claim **21** wherein:  
2       the side-hinge is ribbed.

1       **26.(withdrawn)** The pressure-vent hurricane shutter of claim **21** wherein:  
2       the structural member of a proximate a building aperture has a hole corresponding  
3       to the location of the hold down tabs.

1       **27.(withdrawn)** The pressure-vent hurricane shutter of claim **21** wherein:  
2       said slat-support guides have a front wall, two side walls, and a back wall joined  
3       together along longitudinal edges of the walls;  
4       the slat-support guides are structural aluminum alloy 6063-T52 or at least a  
5       substantial equivalent thereof;  
6       said slat-support guide front and back walls having rectangular cross sections with  
7       a width of about one inch and a thickness of about one-eighth inch;  
8       said slat-support guide side walls having rectangular cross sections with a width of  
9       about one-half inch and a thickness of about one-eighth inch;  
10      said slat-support guide side walls having slots distributed evenly to correspond  
11      with shape, size, and direction of slanted slats;  
12      said front wall of slat-support guide affixed to outward edges of slanted slats;  
13      said back wall of slat-support guide affixed to inward edges of slanted slats;  
14      said slat-support guides have ends which are affixed to the shutter framework; and  
15      the slat-support guides have the appearance of mullions.